**DevOps/Aws/Azure**

Name**:Mannem Mahesh**

Email ID:**maheshdevops225@gmail.com**

Phone number: 8660664552

Having around **2+Years** of professional experience in Devops, build and release and software configuration management which includes Environment Setup, Build Automation, and Continuous Integration and continues Deployment CI/CD, cloud AWS,Azure, SCM process improvements and Deployments (both Standalone and Web applications).

**Professional Profile:**

* Working Experience in writing **Azure pipeline** scripts.
* Written **ARM templates** for azure services **Storage accounts, Azure Databricks,Keyvault,Application gateway**.
* Worked in Azure **databricks** for creating **databricks** workspace.
* Good knowledge in **Azure databricks Cluster** creation and maintaining the **user roles** in databricks.
* Experience in Azure **Databricks** cluster creation and Notebooks creation.
* Working experience in **KeyVault**.
* Good knowledge encrypting data using azure **Keyvault** and decrypting data in azure databricks using Scala and Python notebooks.
* Good experience in Setting up environment in **Azure** from scratch.
* Worked in **Application Gate way Setup**.
* Good knowledge Azure **Virtual Machines creation.**
* Worked in setting up Azure Production environment with **Production subscriptions**.
* Working knowledge in mounting data from **storage account to databricks workspace**.
* Worked in **Azure active directory**.
* Remote login to **Virtual Machines** to troubleshoot, monitor and deploy applications.
* Managing day to day activity of the **cloud environment**, supporting development teams with their requirements.
* Good knowledge in writing terraforms for **AWS Environment Provisioning.**
* Created terraform for AWS Services **EC2,S3,VPC,ECS,ECR,EKS,RDS**,CloudWatch.
* Worked terraform in **Azure cloud** for **Environment Provisioning.**
* Written Azure terraform for services **virtual machine creation, Storage account creation, Keyvault encryption.**
* Created terraform for**storage account creation with Private endpoint.**
* Written terraform for **Azure databrickscluster creation, notebook creation, User creation, Group creation**.
* Good knowledge in **Terraform modules.**
* Written custom modules for terraform in **Databricks cluster setup.**
* Having knowledge in writing terraform for **IAM custom policy**
* Written terraform for enable KMS key in **AWS S3 bucket.**
* Having good knowledge in implementation of **CI/CD.**
* Experience in developing and maintaining **CI/CD** process for SaaS applications by accessing tools like Maven, Jenkins, etc.
* Hands on experience in using configuration management tools like **Chef, Ansible** etc.
* Good Experience in writing the **Playbooks**.
* Working experience in writing the **Ansible Playbooks** for creating AWS services like **VPC,EC2**.
* Worked in creating **Kubernetescluster** for staging, QA, UAT environments.
* Deployed images in pods using **ansible playbooks**.
* Written **ansible** playbooks for **creating Kubernetes cluster** for all environments.
* Automated deployment process from **Jenkins** to **KubernetesCluster**.
* Develop and maintain an advanced platform to manage **Kubernetes clusters lifecycle.**
* Maintain documentation regarding configurations, operations and **troubleshooting** procedures
* Cloud and OS distribution portability: Runs on **Ubuntu, RHEL, CoreOS**, on-prem, Google Kubernetes Engine, and anywhere else.
* Configuring the **Docker** containers and creating **Docker files** for different **environments**.
* Good knowledge in creating the **Docker Images** and configuring the images in **Jenkins.**
* Installed number ofplugins in **Jenkins** for project requirement.
* Configured **Build** **Machines** or **Nodes** in **Jenkins**.

**Education**

**B.tech** from **Jawaharlal Nehru technological University kakinada**  in **2020**

**Working Experience:**

**INAVANTAGE SOLUTION PRIVATE LIMITED-2020-till date**

**Technical Skills:**

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| --- | --- |
| **Scripting language** | Shell scripting,Yaml, |
| **Ticketing too** | Service now, JIRA, RTC |
| **Development Environment** | Linux |
| **Code quality** | SONAR |
| **Code monitoring tool** | Fisheye |
| **Artifacts storage tool** | Nexus |
| **Server** | Red Hat Satellite server |
| **Change Management Tool** | ITSM (information technology service management) |
| **Build Tool** | Maven |
| **Continuous Integration** | Jenkins |
| **Deployment Tools** | CHEF, RunDeck, Ansible |
| **Code Monitoring Tool** | Health Check Monitoring |
| **Containerization Tool** | Docker |
| **Cloud Environment** | Amazon Web Servers,Azure |
| **Version Control System Tools** | SVN, GIT |
| **Operating Systems** | Linux, Windows, Centos,Ubuntu,RedHat |
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**Project # 1:**

Project  **: Specsavers**

Role : **DevOps Engineer**

**Description**:

Specsavers Optical Group Ltd is a British multinational optical retail chain, which operates mainly in the UK, Ireland, Australasia and the Nordic countries. The chain offers optometry and optician services for eyesight testing and sells glasses, sunglasses, and contact lenses.

**ROLES&RESPONSIBILITIES:**

* Created **Azure devops** pipeline as well as wored in **CICD** pipeline in Jenkins.
* Designed **VNets** and subscriptions to confirm to Azure Network Limits.
* Written **ARM templates** for azure services Storage accounts, **Azure Databricks,Keyvault,Application gateway**.
* Worked in **Azure databricks** for creating databricks workspace.
* Experience in Azure Databricks cluster creation and **Notebooks** creation.
* Written the Azure pipeline scripts for deploying the **Kubernetes** services.
* Deployed Jupyterhub application using Azure VMs and installed **Jupyterhub in Kubernetes** service.
* Implemented **Azure diagnosticsettings** for the Azure storage account and azure databricks
* Written **ARM templates for Log analytics Workspace** creation.
* Good knowledge encrypting data using azure **Keyvault** and decrypting data in azure databricks using Scala and Python notebooks.
* Good experience in Setting up environment in **Azure** from scratch.
* Created terraform for AWS Services **EC2,S3,VPC,ECS,ECR,EKS,RDS**,CloudWatch.
* Worked terraform in **Azure cloud** for **Environment Provisioning.**
* Written Azure terraform for services **virtual machine creation, Storage account creation, Keyvault encryption.**
* Created terraform for **storage account creation with Private endpoint.**
* Worked in **Application Gate way Setup**.
* Good knowledge Azure **Virtual Machines creation.**
* Working experience in **Azure Function app**.
* Hands-on experience to build and handle VM’s, Containers utilizing tools like **Docker**.
* Build and publish your own custom images in **Docker**.
* Experience in automation tools like **chef,jenkins,Git**.
* Configured and managing security groups and **VPC**.
* Good knowledge in writing terraforms for **AWS Environment Provisioning.**
* Good experience in automating the process of uploading the packages from **Jenkins** using backup repository **Nexus**.
* Responsible for administering and supporting version control systems (**GIT**) on **Linux**.